

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE 1 OF 2 PAGES
2. AMENDMENT/MODIFICATION NO. <b>M111</b>	3. EFFECTIVE DATE <b>See Block 16C</b>	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY <b>U.S. Department of Energy National Nuclear Security Administration Service Center Property and M&amp;O Contract Support Department P.O. Box 5400 Albuquerque, NM 87185-5400</b>		7. ADMINISTERED BY (If other than Item 6) <b>U.S. Department of Energy National Nuclear Security Administration Manager, Pantex Site Office P.O. Box 30030 Amarillo, TX 79120</b>		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, state, ZIP Code)  <b>BWXT Pantex, LLC Route 726, Mt. Athos Road Lynchburg, VA 24506</b>		9A. AMENDMENT OF SOLICITATION NO.		
		9B. DATED (SEE ITEM 11)		
		10A. MODIFICATION OF CONTRACT/ORDER NO.  <b>DE-AC04-00AL66620</b>		
		10B. DATED (SEE ITEM 13) <b>July 28, 2000</b>		
CODE	FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation as amended, by one of the following methods:  
(a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS;  
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority):	THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE-NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (Such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).	
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:	
D. OTHER (Specify type of modification and authority):	
<b>X</b>	Contract Clause I.120, "Laws, Regulations, and DOE Directives"

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This modification deletes Appendix E, "List of Applicable Directives," dated May 9, 2006, that is currently in Section J of the Contract and replaces it with Attachment 1, Appendix E, "List of Applicable Directives," dated June 21, 2006.

Except as provided herein, all terms and conditions of the document referenced in Items 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <b>Contracting Officer Marc T. McCusker</b>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
BY _____ (Signature of person authorized to sign)		BY <u>Marc T. McCusker</u> (Signature of Contracting Officer)	<u>6/21/06</u>

PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS  
 SECTION J – LIST OF ATTACHMENTS

**APPENDIX E – LIST OF APPLICABLE DIRECTIVES**

**June 21, 2006**

Pursuant to the contract clause entitled “Laws, Regulations, and DOE Directives,” the following list of directives is applicable to this contract. Environmental, Safety, and Health (ES&H) requirements for work conducted under this contract have been incorporated into this Appendix using a DOE-approved tailored process, Contractor-prepared document entitled “Management Integration & Controls Document” (MIC), which is BWXT’s Integrated Safety Management System Description.

**List A**

Pursuant to DEAR 970.5204-2(a) the contractor shall comply with the requirements of applicable Federal, State, and local laws and regulations, unless relief has been granted in writing by the appropriate regulatory agency. Omission of any applicable law or regulation from this list does not affect the obligation of the contractor to comply with such law or regulation.

<b>Laws &amp; Regulations</b>	<b>Title</b>
<b>10 CFR 71</b>	<b>Packaging and Transportation of Radioactive Material</b>
10 CFR 712	Human Reliability Program
10 CFR 820 Appendix A	Procedural Rules for DOE Nuclear Activities
10 CFR 830	Nuclear Safety Management
<b>10 CFR 835</b>	<b>Occupational Radiation Protection</b>
10 CFR 850	Chronic Beryllium Disease Prevention Program
<b>10 CFR 851</b>	<b>Worker Safety and Health Program</b>
10 CFR 852	Guidelines for Physician Panel Determination on Worker Requests for Assistance in Filing for State Workers’ Compensation Benefits
<b>10 CFR 1021</b>	<b>National Environmental Policy Act Implementing Procedures</b>
<b>10 CFR 1022</b>	<b>Compliance with Floodplain and Wetland Environmental Review Requirements</b>
10 CFR 1046	Physical Protection of Security Interests
10 CFR 1047	Limited Arrest Authority and Use of Force by Protective Force Officers
29 CFR 1910	Occupational Safety and Health Standards
29 CFR 1926	Safety and Health Regulations for Construction
<b>36 CFR Ch XII, Sub-Chapter B</b>	<b>National Archives and Records Administration – Records Management</b>

<b>Laws &amp; Regulations</b>	<b>Title</b>
<b>36 CFR 60</b>	<b>National Register of Historic Places</b>
<b>36 CFR 63</b>	<b>Determinations</b>
<b>36 CFR 79</b>	<b>Curation of Federally-Owned and Administered Archaeological Collections</b>
<b>36 CFR 800</b>	<b>Protection of Historic Properties</b>
<b>40 CFR 50</b>	<b>National Primary and Secondary Ambient Air Quality Standards</b>
<b>40 CFR 53</b>	<b>Ambient Air Monitoring Reference and Equivalent Methods</b>
<b>40 CFR 60</b>	<b>Standards of Performance for New Stationary Sources</b>
<b>40 CFR 61</b>	<b>National Emission Standards for Hazardous Air Pollutants</b>
<b>40 CFR 63</b>	<b>National Emission Standards for Hazardous Air Pollutants For Source Categories</b>
<b>40 CFR 68</b>	<b>Chemical Accident Prevention Provisions</b>
<b>40 CFR 80</b>	<b>Regulation of Fuels and Fuel Additives</b>
<b>40 CFR 82</b>	<b>Protection of Stratospheric Ozone</b>
<b>40 CFR 109</b>	<b>Criteria for Sate, Local and Regional Oil Removal Contingency Plans</b>
<b>40 CFR 110</b>	<b>Discharge of Oil</b>
<b>40 CFR 112</b>	<b>Oil Pollution Prevention</b>
<b>40 CFR 116</b>	<b>Designation of Hazardous Substances</b>
<b>40 CFR 117</b>	<b>Determination of Reportable Quantities for Hazardous Substances</b>
<b>40 CFR 121</b>	<b>State Certification of Activities Requiring a Federal License or Permit</b>
<b>40 CFR 122</b>	<b>EPA Administered Permit Programs: The National Pollutant Discharge Elimination System</b>
<b>40 CFR 123</b>	<b>State Program Requirements</b>
<b>40 CFR 125</b>	<b>Criteria and Standards for the National Pollutant Discharge Elimination System</b>
<b>40 CFR 131</b>	<b>Water Quality Standards</b>
<b>40 CFR 133</b>	<b>Secondary Treatment Regulation</b>
<b>40 CFR 136</b>	<b>Guidelines Establishing Test Procedures for the Analysis of Pollutants</b>
<b>40 CFR 141</b>	<b>National Primary Drinking Water Regulations</b>
<b>40 CFR 142</b>	<b>National Primary Drinking Water Regulations Implementation</b>
<b>40 CFR 143</b>	<b>National Secondary Drinking Water Regulations</b>
<b>40 CFR 156</b>	<b>Labeling Requirements for Pesticides and Devices</b>
<b>40 CFR 170</b>	<b>Worker Protection Standard</b>
<b>40 CFR 171</b>	<b>Certification of Pesticide Applicators</b>
<b>40 CFR 260</b>	<b>Hazardous Waste Management System General</b>
<b>40 CFR 261</b>	<b>Identification and Listing of Hazardous Waste</b>

<b>Laws &amp; Regulations</b>	<b>Title</b>
<b>40 CFR 262</b>	<b>Standards Applicable to Generators of Hazardous Waste</b>
<b>40 CFR 264</b>	<b>Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities</b>
<b>40 CFR 265</b>	<b>Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities</b>
<b>40 CFR 266</b>	<b>Standards for the Management of specific Hazardous Wastes and Specific Types of Hazardous Waste Management Facilities</b>
<b>40 CFR 268</b>	<b>Land Disposal Restrictions</b>
<b>40 CFR 273</b>	<b>Standards for Universal Waste Management</b>
<b>40 CFR 279</b>	<b>Standards for the Management of Used Oil</b>
<b>40 CFR 280</b>	<b>Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks (UST)</b>
<b>40 CFR 300</b>	<b>National Oil and Hazardous Substances Pollution Contingency Plan</b>
<b>40 CFR 302</b>	<b>Designation, Reportable Quantities, and Notification</b>
<b>40 CFR 355</b>	<b>Emergency Planning and Notification</b>
<b>40 CFR 370</b>	<b>Hazardous Chemical Reporting: Community Right-To-Know</b>
<b>40 CFR 372</b>	<b>Toxic Chemical Release Reporting: Community Right-To-Know</b>
<b>40 CFR 761</b>	<b>Polychlorinated Biphenyls (PCBS) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions</b>
<b>40 CFR 1500</b>	<b>Council on Environmental Quality – Purpose, Policy, and Mandate</b>
<b>40 CFR 1501</b>	<b>NEPA and Agency Planning</b>
<b>40 CFR 1502</b>	<b>Environmental Impact Statement</b>
<b>40 CFR 1503</b>	<b>Commenting</b>
<b>40 CFR 1504</b>	<b>Predecision Referrals to the Council of Proposed Federal Actions to be Environmentally Unsatisfactory</b>
<b>40 CFR 1505</b>	<b>NEPA and Agency Decisionmaking</b>
<b>40 CFR 1506</b>	<b>Other Requirements of NEPA</b>
<b>40 CFR 1507</b>	<b>Agency Compliance</b>
<b>40 CFR 1508</b>	<b>Terminology and Index</b>
<b>41 CFR 101</b>	<b>Federal Property Management Regulations</b>
<b>43 CFR 7</b>	<b>Protection of Archaeological Resources</b>
<b>43 CFR 10</b>	<b>Native American Graves Protection and Repatriation Regulations</b>
<b>48 CFR 45</b>	<b>Contract Management – Government Property</b>
<b>48 CFR 47</b>	<b>Transportation</b>
<b>49 CFR 40</b>	<b>Procedures for Transportation Workplace Drug and Alcohol Testing Programs</b>
<b>49 CFR 107</b>	<b>Hazardous Materials Program Procedures</b>

<b>Laws &amp; Regulations</b>	<b>Title</b>
<b>49 CFR 171</b>	<b>Hazardous Materials Regulations – General Information, Regulations, and Definitions</b>
<b>49 CFR 172</b>	<b>Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements</b>
49 CFR 173	Shippers General Requirements for Shipments and Packages
49 CFR 174	Carriage by Rail
49 CFR 175	Carriage by Aircraft
49 CFR 176	Carriage by Vessel
49 CFR 177	Carriage by Public Highway
49 CFR 178	Specifications for Packagings
<b>49 CFR 179</b>	<b>Specification for Tank Cars</b>
<b>49 CFR 180</b>	<b>Continuing Qualification and Maintenance of Packagings</b>
<b>49 CFR 380</b>	<b>Transportation</b>
49 CFR 382	Controlled Substances and Alcohol Use and Testing
49 CFR 383	Commercial Driver's License Standards; Requirements and Penalties
<b>49 CFR 385</b>	<b>Safety Fitness Procedures</b>
<b>49 CFR 387</b>	<b>Minimum Levels of Financial Responsibility for Motor Carriers</b>
49 CFR 390	Federal Motor Carrier Safety Regulations; General
49 CFR 391	Qualifications of Drivers and Longer Combinations Vehicle (LCV) Driver Instructions
49 CFR 392	Driving of Commercial Motor Vehicles
49 CFR 393	Parts and Accessories Necessary for Safe Operation
49 CFR 395	Hours of Service Drivers
49 CFR 396	Inspection, Repair, and Maintenance
49 CFR 397	Transportation of Hazardous Materials; Driving and Parking Rules
49 CFR 571	Federal Motor Vehicle Safety Standards
<b>50 CFR 10</b>	<b>Taking, Possession, Transportation, Sale, Purchase, Barter, Exportation, and Importation of Wildlife and Plants – General Provisions</b>
<b>50 CFR 17</b>	<b>Endangered and Threatened Wildlife and Plants</b>
<b>50 CFR 402</b>	<b>Interagency Cooperation Endangered Species Act of 1973, as Amended</b>
<b>16 USC</b>	<b>Conservation</b>
<b>49 USC 5109(f)</b>	<b>Transportation</b>
<b>EO 11514</b>	<b>Protection and Enhancement of Environmental Quality</b>
<b>EO 12898</b>	<b>Environmental Justice</b>
<b>EO 13101</b>	<b>Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition</b>
	Americans with Disabilities Act of 1990

<b>Laws &amp; Regulations</b>	<b>Title</b>
	<b>Atomic Energy Act</b>
<b>NHPA 110</b>	<b>Guidelines for Federal Agency Responsibilities under Section 110 of the National Historic Preservation Act (16 U.S.C. 470)</b>
<b>NHPA CRMP (April 2004)</b>	<b>Comprehensive Cultural Resource Management Plan for Pantex</b>

**List B**

Pursuant to DEAR 970.5204(b) the contractor shall comply with the requirements of these Department of Energy directives, or parts thereof, as identified.

<b>Directive</b>	<b>Title</b>	<b>Full (F) Partial (P) Incorporation</b>
MIC-1000	Management, Integration & Controls Document, Issue 11	F
HC-2100	Fire Protection Section of the Hazards Control Standards/Requirement Identification Document (S/RIDS), Issue 05, Change 2	F
HC-2210	Radiation Protection Section of the Hazards S/RID, Issue 04	F
HC-2220	Criticality Safety Section of the Hazards Control S/RIDS, Revision 5	F
HC-2300	Occupational Safety and Health Section of the Hazards Control S/RID, Issue 05	F
HC-2500	Offsite Packaging & Transportation Section of the Hazards Control S/RIDS, Revision 4	F
HC-2600	On-Site Packaging and Transfer Section of the Hazards Control S/RID, Issue 01	F
MS-3100	Emergency Management Section of the Mission Support S/RID, Issue 04	F
MS-3210	Facility Engineering and Construction Section of the Mission Support S/RID, <b>Issue 05</b>	F
MS-3300	Maintenance Section of the Mission Support S/RID, Issue 04	F
MS-3400	Environmental Management Section of the Mission Support S/RID, Issue 06	F
O 110.3	Conference Management	F
O 130.1	Budget Formulation Process	F
O 135.1	Budget Execution - Funds Distribution and Control	F
M 135.1-1	Budget Execution Manual	F
M 140.1-1B	Interface with the Defense Nuclear Facilities Safety Board (DNFSB)	P
O 142.1	Classified Visits Involving Foreign Nationals	F
O 142.3	Unclassified Foreign Visits and Assignments Program	F
O 151.1C	Comprehensive Emergency Management System	F
M 200.1-1	Telecommunications Security Manual	F
O 205.1	Department of Energy Cyber Security Management Program	F
M 205.1-2	Clearing, Sanitization, and Destruction of Information System Storage Media, memory Devices and Related Hardware Manual	F

<b>Directive</b>	<b>Title</b>	<b>Full (F) Partial (P) Incorporation</b>
N 205.2	Foreign National Access to DOE Cyber Systems	F
N 205.3	Password Generation, Protection, and Use	F
N 205.8	Cyber Security Requirements for Wireless Devices and Information Systems	F
N 205.11	Security Requirements for Remote Access to DOE and Applicable Contractor Information Technology Systems	F
N 206.3	Personal Identity Verification	F
O 221.1	Reporting Fraud, Waste, and Abuse to the Office of Inspector General	F
O 221.2	Cooperation with the Office of Inspector General	F
O 221.3	Establishment of Management Decisions on Office of Inspector General Reports	F
<b>O 225.1A</b>	<b>Accident Investigations</b>	<b>F</b>
O 226.1	Implementation of Department of Energy Oversight Policy	F
<b>M 231.1-2</b>	<b>Occurrence Reporting and Processing of Operations Information</b>	<b>F</b>
O 241.1A	Scientific and Technical Information Management	F
<b>O 243.1</b>	<b>Records Management Program</b>	<b>F</b>
<b>O 243.2</b>	<b>Vital Records</b>	<b>F</b>
O 251.1A	Directives System	F
M 251.1-1A	Directives System Manual	F
O 341.1	Federal Employee Health Services (PXSO Contracting Officer Approval Memo, February 9, 2004)	P
O 350.1	Contractor Human Resource Management Programs	F
O 350.2A	Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington, D.C. Area	F
O 412.1A	Work Authorization System	F
O 413.1A	Management Control Program	F



<b>Directive</b>	<b>Title</b>	<b>Full (F) Partial (P) Incorporation</b>
O 414.1C	Quality Assurance	<b>F</b>
O 420.1B	Facility Safety	P
G 420.1-1	Nonreactor Nuclear Safety Design Criteria and Explosive Safety Criteria Guide for use with DOE O 420.1 Facility Safety	P
O 430.1B	Real Property Asset Management	P
O 433.1	Maintenance Management Program for DOE Nuclear Facilities	F
<b>O 435.1</b>	<b>Radioactive Waste Management</b>	<b>P</b>
<b>M 435.1-1</b>	<b>Radioactive Waste Manual</b>	<b>P</b>
O 440.1A	Worker Protection Management for DOE Federal and Contractor Employees	P
M 440.1-1A	DOE Explosives Safety Manual	F
G 440.1-5 G 420.1/BO G 440.1/EO	Fire Safety Program for use with DOE O 420.1 and DOE O 440.1 (G-420.1/B-0 G-440.1/E-0)	P
O 442.1A	Department of Energy Employee Concerns Program	F
O 450.1	Environmental Protection Program	F
P 450.4	Safety Management System Policy	F
P 450.7	Department of Energy Environment, Safety and Health (ES&H) Goals	F
<b>O452.1C</b>	<b>Nuclear Explosive and Weapon Surety Program</b>	<b>F</b>
O 452.2B	Safety of Nuclear Explosive Operations	P
AL SD 452.2B	Safety of Nuclear Explosive Operations	P
O 452.3	Management of the Department of Energy Nuclear Weapons Complex	F
M 452.4-1A	Protection of Use Control Vulnerabilities and Designs (Note: See PXSO Memorandum dated May 9, 2005)	P
O 457.1	Nuclear Counterterrorism	F
O 460.1B	Packaging and Transportation	P
O 460.2A	Departmental Materials Transportation and Packaging Management	P
O 461.1A	Packaging and Transfer or Transportation of Materials of National Security Interest	P
M 461.1-1	Packaging and Transfer or Transportation of Materials of National Security Interest Manual	P
P 470.1	Integrated Safeguards and Security Management (ISSM) Policy	P
O 470.2B	Independent Oversight and Performance Assurance Program	F
O 470.3A	Design Basis Threat (DBT) Policy	F

<b>Directive</b>	<b>Title</b>	<b>Full (F) Partial (P) Incorporation</b>
O 470.4	Safeguards and Security Program	F
M 470.4-1	Safeguards and Security Program Planning and Management	F
M 470.4-2	Physical Protection	F
M 470.4-4	Information Security	F
M 470.4-5	Personnel Security	F
M 470.4-6	Nuclear Material Control and Accountability	F
M 470.4-7	Safeguard and Security Program References	F
O 471.1A	Identification and Protection of Unclassified Controlled Nuclear Information	F
M 471.1-1	Identification and Protection of Unclassified Controlled Nuclear Information Manual	F
M 471.2-2	Classified Information Systems Security Manual	F
M 471.2-4	Technical Surveillance Countermeasures Manual (TSCM) (Annex)	P
O 471.3	Identifying and Protecting Official Use Only Information	F
M 471.3-1	Manual for Identifying and Protecting Official Use Only Information	F
O 473.2	Protective Force Program	P
M 473.2-1A	Firearms Qualification Courses Manual	F
M 473.2-2	Protective Force Program Manual	P
O 475.1	Counterintelligence Program	F
M 475.1-1A	Identifying Classified Information	F
O 481.1B	Work For Others (Non-Department of Energy Funded Work)	F
M 481.1-1	Reimbursable Work For Non-Federal Sponsors Process Manual	F
N 481.1A	Reimbursable Work for Department of Homeland Security	F
O 482.1	DOE Facilities Technology Partnering Programs	F
O 483.1	DOE Cooperative Research and Development Agreements	F
M 483.1-1	DOE Cooperative Research and Development Agreements Manual	F
O 522.1	Pricing of Departmental Materials and Services	F
O 534.1B	Accounting	F
O 551.1B	Official Foreign Travel	F
O 580.1	Department of Energy Personal Property Management Program	F
O 1220.1A	Congressional and Intergovernmental Affairs	F
O 1340.1B	Management of Public Communications Publications and Scientific, Technical, and Engineering Publications	F
O 1350.1	Audiovisual and Exhibits Management	F
O 1450.4	Consensual Listening-In to or Recording Telephone/Radio Conversations	F

<b>Directive</b>	<b>Title</b>	<b>Full (F) Partial (P) Incorporation</b>
O 2300.1B	Audit Resolution and Follow-Up	F
O 5400.5	Radiation Protection of the Public and the Environment	P
O 5480.19	Conduct of Operations Requirements for DOE	P
O 5480.20A	Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities	P
O 5530.1A	Accident Response Group	P
O 5530.3	Radiological Assistance Program	P
O 5639.8A	Security of Foreign Intelligence Information and Sensitive Compartmented Information Facilities	F
O 5660.1B	Management of Nuclear Materials	P
DOE/EH-0256T	U.S. Department of Energy, Radiological Control Manual, Radiological Health and Safety Policy	P
DOE/NNSA 56XB	Development and Production Manual	P
DOE STD 1066-99	Fire Protection Design Criteria	P
DOE STD 1090-2004	Hoisting and Rigging	P
DOE STD 1091-1996	Firearms Safety	F
<b>DOE STD 1135-1999</b>	<b>Guidance for Nuclear Criticality Safety Engineer Training and Qualification</b>	<b>P</b>
DOE STD 1186-2004	Specific Administrative Controls	P
<b>DOE STD 3007-1993</b>	<b>Guidelines for Preparing Criticality Safety Evaluations at Department of Energy Non-Reactor Nuclear Facilities</b>	<b>F</b>
DOE STD 3009-1994	Preparation Guide for U.S. Department of Energy Nonreactor Nuclear Facility Safety Analysis	F
DOE STD-3015-2004	Nuclear Explosive Safety Study Process (Note: See Memo from Charles Westfall, Director Nuclear Explosive Safety Division, dated July 28, 2005, for interpretation of Education Requirements)	F
DOE Technical Manual	Tiedown Procedures for Type-B Containers, Shipped in Safe-Secure Trailers/Safeguards Transporter (SST/SFT)	F
DOE Technical Manual 45-51D	Transportation of Nuclear Weapons Material	P
DOE	Memorandum: Clarification of Annual Visual Inspection of all Protected Transmission Systems (PTS)	F

Directive	Title	Full (F) Partial (P) Incorporation
DOE	Memorandum: Transmission Security Criteria for Marking Classified Lines	F
NWC TBP	<b>Nuclear Weapons Complex (NWC)</b> <b>Technical Business Practice (TBP)</b> <b>TBP-CM, Issue A: Configuration Management</b> <b>TBP-DEF, Issue J: NWC Abbreviations, Acronyms, and Definitions</b> <b>TBP-PRP, Issue E: Product Realization Process</b> <b>TBP-SYS, Issue H: Technical Business Practice System</b> <b>TBP-000, Issue E: Program Management</b> <b>TBP-001, Issue C: Major Assembly Release System</b> <b>TBP-100, Issue G: Concurrent Qualification</b> <b>TBP-101, Issue F: Engineering Evaluation Process</b> <b>TBP-200, Issue D: Product Identification and Traceability</b> <b>TBP-201, Issue C: Weapon identification Systems and Marking Criteria</b> <b>TBP-202, Issue D: Record of Assembly and Disassembly</b> <b>TBP-203, Issue E: Weapon Record Cards</b> <b>TBP-300, Issue E: Product Definition</b> <b>TBP-301, Issue H: Methods of Definition</b> <b>TBP-302, Issue C: Product and Equipment Designations</b> <b>TBP-303: Seven-Digit Material and Process Specifications, and Public Domain Definition</b> <b>TBP-304, Issue E: Defining Commercial Product in the Engineering Drawing System</b> <b>TBP-305, Issue C: Configuration of Type Weapons</b> <b>TBP-306, Issue E: Software Product Processes</b> <b>TBP-308, Issue A: Computer-Aided Design Process for Electrical Products</b> <b>TBP-400, Issue D: Design Control</b> <b>TBP-401, Issue D: Definition Control</b> <b>TBP-402, Issue F: Product Control</b> <b>TBP-403, Issue E: Reviews</b> <b>TBP-404, Issue F: Engineering Authorization System</b> <b>TBP-500, Issue D: Records Management</b> <b>TBP-502, Issue A: Distribution of Non-Electronic Product Definition Using Electronic Transmittal Methods</b> <b>TBP-600, Issue D: Procurement</b> <b>TBP-601, Issue C: Procurement Classes of Weapon Product</b> <b>TBP-602, Issue D: Interpretation of Procurement index</b>	F

Directive	Title	Full (F) Partial (P) Incorporation
	<b>TBP-700, Issue E: Product Acceptance and Control of Nonconformance</b> <b>TBP-701, Issue C: Acceptance Equipment Interfaces</b> <b>TBP-702, Issue E: Nonconforming Material</b> <b>TBP-703, Issue D: Product Reprocessing and Reworking</b> <b>TBP-704, Issue D: Evaluation and Disposition of Discrepant Weapon Material</b> <b>TBP-800, Issue F: Stockpile Management</b> <b>TBP-801, Issue D: laboratory and Flight Test Material</b> <b>TBP-802, Issue D: Telemetry Procedures</b> <b>TBP-803, Issue D: Non-Nuclear Assurance Program</b> <b>TBP-804, Issue D: Stockpile Support Material</b> <b>TBP-805, Issue D: Repair and Retrofit of Weapons and Ancillary Equipment</b> <b>TBP-901, Issue B: Integrated Safety Process for Nuclear Weapons Operations and Facilities</b>	
NNSA	NAP-9A, SECON Implementation	F
NNSA	NAP 14.1, NNSA Cyber Security Program (PXSO Contracting Officer Approval Memo, January 15, 2004)	P
NNSA	NAP 14.2, Baseline Cyber Security Requirements (PXSO Contracting Officer Approval Memo, January 15, 2004)	F
NNSA	NAP 14.3, NNSA Protection Profile and Security Target Requirements (PXSO Contracting Officer Approval Memo, January 15, 2004)	F
NNSA	NAP 14.4, Open Public Unrestricted Access Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004)	P
NNSA	NAP 14.5, Unclassified Protected Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004)	P
NNSA	NAP 14.6, Unclassified Mandatory Protection Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004)	P
NNSA	NAP 14.7, Confidential Non-Nuclear Weapons Data Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004)	P
NNSA	NAP 14.8, Secret Restricted Non-Nuclear Weapons Data Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004)	F

<b>Directive</b>	<b>Title</b>	<b>Full (F) Partial (P) Incorporation</b>
NNSA	NAP 14.9, Confidential Restricted Data, Sigmas 1 thru 13 Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004)	P
NNSA	NAP 14.10, Secret Restricted Data, Sigmas 1 thru 13 Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004)	P
NNSA	NAP 14.11, Secret Restricted Data, Sigmas 14 & 15 Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004)	P
NNSA	BOP-003-0304R1, Coordination and Approval Process (CAP) of Contract Actions	P
WQSD	Quality Assurance Procedure (QAP) Manual, Revision 2, as published by the Weapon Quality & Surveillance Division (WQSD), NNSA NA-121.3	F
AL SD 452.2B	Safety of Nuclear Explosive Operations	P
<b>AL SD 5610.14</b>	<b>Transportation Safeguards System Program Operations</b>	<b>P</b>
AASHTO GDHS	American Association of State Highway and Transportation Officials	P
ACGIH TLV Booklet	TLVs and FEIs Based on the Document of the Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices	F
ASME NUM-1-2000	Rules of Construction of Cranes, Monorails, and Hoists (With Bridge or Trolley or Hoist of the Underhung Type)	F
ANSI C2 1990	National Electrical Safety Code	F
<b>ANSI/ANS 8.1</b>	<b>Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors</b>	<b>P</b>
<b>ANSI/ANS 8.7</b>	<b>Nuclear Criticality Safety in the Storage of Fissile Material</b>	<b>P</b>
<b>ANSI/ANS 8.19</b>	<b>Administrative Practices for Nuclear Criticality Safety</b>	<b>P</b>
<b>ANSI/ANS 8.20</b>	<b>Nuclear Criticality Safety Training</b>	<b>F</b>
<b>ANSI/ANS 10.4</b>	<b>Guidelines for the Verification and Validation of Scientific and Engineering Computer Programs for the Nuclear Industry</b>	<b>F</b>
ANSI/ASME B56.1-1993	Safety Standard for High Lift and Low Lift Trucks	F

<b>Directive</b>	<b>Title</b>	<b>Full (F) Partial (P) Incorporation</b>
ANSI / AWWA	C651: Disinfecting Water Mains C652: Disinfection of Water-Storage Facilities C653: Disinfection of Water Treatment Plants C654: Disinfection of Wells	P
ANSI/CGA	Commodity Specification for Air, Part G-7.1	P
ANSI/HFS 100 1988	Human Factors Engineering of VDT Workstations	F
ANSI/IEEE C95.1 (1991)	Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3kHz to 300 GHz	F
ANSI D6 1989	Manual on Uniform Traffic Control Devices for Streets and Highways	P
ANSI S3.34	Guide for the Measurement and Evaluation of Human Exposure to Vibration Transmitted to the Hand	F
ANSI Z41- 1991	Personal Protection – Protective Footwear	F
ANSI Z87.1- 1989	Practice for Occupational/Educational Eye and Face Protection	F
ANSI Z88-2- 1992	Respiratory Protection F	F
ANSI Z136	Safe Use of Lasers	P
ANSI Z540-1-1994	American National Standard for Calibration – Calibration Laboratories and Measuring & Test Equipment – General Requirements	F
Application Manual	Revised NIOSH Lifting Equation US DHHS, January 1994	F
ASME Section VIII	Boiler and Pressure Vessel Code	F
<b>Commercial Facility Waste Acceptance Criteria</b>	<b>Criteria for Acceptance of Solid Waste at Commercial Facilities</b>	<b>F</b>
<b>DOD TB 700-2</b>	<b>DOD Ammunition and Explosives Hazard Classification Procedures</b>	<b>F</b>
DOE/ID 10600	DOE Electrical Safety Guidelines	F
<b>EPA / 520- R-94-004</b>	<b>RCRA Corrective Action Plan (May 1994) OSWER Directive 9902.3-2A</b>	<b>F</b>
<b>EPA SW-846</b>	<b>Test Methods for Evaluating Solid Waste: Physical / Chemical Methods</b>	<b>F</b>

<b>Directive</b>	<b>Title</b>	<b>Full (F) Partial (P) Incorporation</b>
<b>GPG-FM-033</b>	<b>DOE Land Use Planning Guide – Guide for Planning Land Use at Pantex</b>	<b>F</b>
<b>IATA DGR</b>	<b>International Air Transport Associations – Dangerous Goods Regulations</b>	<b>F</b>
ISO 14001-2004	Environmental Management Systems Specification with Guidance for Use	F
MIL-STD-1472	Department of Defense Design Criteria Standard – Human Engineering	F
<b>Nevada Test Site Waste Acceptance Criteria</b>	<b>Criteria for Acceptance of Low Level Nuclear Waste for Long Term Retrieval Storage</b>	<b>F</b>
NFPA 1	Fire Prevention Code (2003)	P
NFPA 10	Standard for Portable Fire Extinguishers (2002)	P
NFPA 13	Standard for the Installation of Sprinkler Systems (2002)	P
NFPA 15	Standard for Water Spray Fixed Systems for Fire Protection (2001)	P
NFPA 17	Standard for Dry Chemical Extinguishing Systems (2002)	P
NFPA 17A	Standard for Wet Chemical Extinguishing Systems (2002)	P
NFPA 20	Standard for the Installation of Stationary Pumps for Fire Protection (2003)	P
NFPA 24	Standard for the Installation of Private Fire Service mains and Their Appurtenances (2002)	P
NFPA 25	Standard for the Inspection, Testing, and Maintenance of Water-Based Protection Systems (2002)	P
NFPA 30	Flammable and Combustible Liquids Code (1998)	P
NFPA 51B	Standard for Fire Prevention During Welding, Cutting, and Other Hot Work (1998)	P
NFPA 52	Compressed Natural Gas (CNG) Vehicular Fuel Systems Code (1998)	P
NFPA 54	ANSI Z223.1-2002 National Fuel Gas Code (1998)	P
NFPA 55	Standard for the Storage, Use, and Handling of Compressed and Liquid Gases in Portable Cylinders (1998)	P
NFPA 58	Liquefied Petroleum Gas Code (2001)	P
NFPA 70	National Electrical Code ® (2002)	P
NFPA 70E	Standard for Electrical Safety Requirements for Employee Workplaces	P



<b>Directive</b>	<b>Title</b>	<b>Full (F) Partial (P) Incorporation</b>
NFPA 72	National Fire Alarm Code ® (2002)	P
NFPA 101	Life Safety Code ® (2000)	P
NFPA 230	Standard for the Fire Protection of Storage (1999)	P
<b>NFPA 385</b>	<b>Standard for Tank Vehicles for Flammable and Combustible Liquids</b>	<b>P</b>
NFPA 780	Installation of Lighting Protection System	F
NFPA 801	Standard for Fire Protection For Facilities Handling Radioactive Material (1998)	P
NFPA 1500	Fire Department Occupational Safety and Health Programs	F
NFPA 1582	Comprehensive Occupational Medical Program of Fire Departments	F
NFPA 2001	Standard on Clean Agent Fire Extinguishing Systems (2000)	P
<b>NUREG / CR-6698</b>	<b>Guide for Validation of Nuclear Criticality Safety Calculational Methodology</b>	<b>F</b>
Q9001-2000	American National Standard – Quality Management Systems – Requirements	F
RM 257945	AL-R8 Pit Matrix Requirements	F
TAC Title 4	<b>Texas Administrative Code - Agriculture</b>	P
TAC Title 22	<b>Texas Administrative Code - Examining Boards</b>	P
TAC Title 25	<b>Texas Administrative Code – Health Services</b>	P
TAC Title 30	<b>Texas Administrative Code – Environmental Quality</b>	P
<b>TAC Title 31</b>	<b>Texas Administrative Code – Natural Resources and Conservation</b>	<b>P</b>
<b>TAC Title 43</b>	<b>Texas Administrative Code – Transportation</b>	<b>P</b>
<b>TCEQ Memo 2/15/2006</b>	<b>Texas Commission on Environmental Quality (TCEQ) Toll Free Homeland Security Threat Reporting Number</b>	<b>F</b>
<b>TCEQ Air Permit 18379</b>	<b>Air Quality Permit</b>	<b>F</b>
<b>TCEQ Air Permit 21233</b>	<b>Air Quality Permit</b>	<b>F</b>

<b>Directive</b>	<b>Title</b>	<b>Full (F) Partial (P) Incorporation</b>
<b>USDA-APHIS</b>	<b>Wildlife Services; Letter of Authorization: Transport Skunks for Euthanization, Animal Control Authorization</b>	<b>F</b>
<b>TCEQ Permit WQ000229600 (EPA TX 0107107-NEPDES)</b>	<b>Water Quality Permit to Dispose of Waste</b>	<b>F</b>
<b>TCEQ Permit WQ0004397000</b>	<b>Water Quality Permit for Land Application</b>	<b>F</b>
<b>TCEQ Permit 02296</b>	<b>Permit to Dispose of Waste</b>	<b>F</b>
<b>TCEQ Permit 04397</b>	<b>Texas Land Application</b>	<b>F</b>
<b>TCEQ Permit 30459</b>	<b>Solid Waste Registration Numbers (EPA Number TX4890110527)</b>	<b>F</b>
<b>TCEQ Permit CP-50284</b>	<b>RCRA Compliance Plan</b>	<b>F</b>
<b>TCEQ Permit HW-50284</b>	<b>RCRA Hazardous Waste Permit</b>	<b>F</b>
<b>TCEQ Permit by Rule</b>	<b>Authorizations For Emissions to Atmosphere for Small Sources</b>	<b>F</b>
<b>TCEQ PERM 282334</b>	<b>Self-certification as a Synthetic Minor Source Under Title V of the Federal Clean Air Act (Federal Operating Permit) (Compliance with 30 TAC 122)</b>	<b>F</b>
<b>TCEQ TPDES MSGP</b>	<b>Visual Monitoring GP Construction Storm Water</b>	<b>F</b>
<b>TCEQ ID # 0330007</b>	<b>Public Water System ID Number</b>	<b>F</b>

<b>Directive</b>	<b>Title</b>	<b>Full (F) Partial (P) Incorporation</b>
<b>TCEQ UIC Permits 5W2000017 5X2600215 5X250089 5X250098</b>	<b>Underground Injection Control Class V Wells</b>  Associated with Permit WQ0004397000 Associated with Permit CP-50284 Associated with Permit CP-50284 Associated with Permit CP-50284	<b>F</b>
<b>TPDES TXR05P506</b>	<b>Multi-Sector Industrial Storm Water Permit</b>	<b>F</b>
<b>TPDES TXR150000</b>	<b>Storm Water General Permit for Construction Projects</b>	<b>F</b>
<b>TPWC 64</b>	<b>Texas Parks and Wildlife Code: Birds</b>	<b>F</b>
<b>TPWC 66</b>	<b>Texas Parks and Wildlife Code: Fish</b>	<b>F</b>
<b>TPWC 67</b>	<b>Texas Parks and Wildlife Code: Non Game Species</b>	<b>F</b>
<b>TPWC 68</b>	<b>Texas Parks and Wildlife Code: Endangered Species</b>	<b>F</b>
<b>TPWC 71</b>	<b>Texas Parks and Wildlife Code: Licenses and Regulations</b>	<b>F</b>
<b>TPWC 88</b>	<b>Texas Parks and Wildlife Code: Endangered Plants</b>	<b>F</b>
<b>TPWD-SPR- 1296-844</b>	<b>Wildlife Research</b>	<b>F</b>
<b>TPWD- (no number)</b>	<b>Furbearing Animal Trap &amp; Release Permit</b>	<b>F</b>
<b>TWC 26</b>	<b>Texas Water Code: Water Quality Control</b>	<b>F</b>
<b>UPC Chap 3- 10</b>	<b>Uniform Plumbing Code (2003)</b>	<b>F</b>

**List C**

The following Department of Energy directives were considered and were determined to be “not applicable” or were considered to be covered in total as an equivalence to a higher level directive identified in List A or List B.

<b>Directive</b>	<b>Title</b>	<b>Equivalent To</b>
DOE STD-1187-2005	Beryllium-Associated Worker Registry Data Collection and Management Guidance	10 CFR 850.39(h)